

## REMARKS

Claims 47-97 are pending in the present application. Claims 47-97 have been examined and are rejected. In the above amendments, claims 47, 81, 86 and 91 have been amended, and new claim 98 has been added. After entry of the above amendments, claims 47-98 will be pending in this application. Applicant believes that the present application is now in condition for allowance, which prompt and favorable action is respectfully requested.

### Rejection of Claims 47-97 Under 35 U.S.C. §103(a)

Claims 47-72, 75, 78, 81-93, 95 and 96 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Faulkner (U.S. Patent No. 6,606,484) in view of Kenington (U.S. Patent No. 6,437,644).

Claims 73, 74, 76, 77, 79 and 80 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Faulkner in view of Kenington and Rahamim (U.S. Patent No. 5,541,990).

Claim 94 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Faulkner in view of Kenington and Kimura (U.S. Patent No. 5,552,734).

Claim 97 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Faulkner in view of Kenington and Marchesani *et al.* (U.S. Patent No. 5,883,551).

During an interview between Examiner Sam Bhattacharya and primary Examiner George Eng for the US PTO and George Pappas and Kamal Sahota for the Applicant, the Examiner suggested amending the claims to recite the distortion cancellation being done in a “feed-forward” manner. Applicant was with the understanding that adding this “feed-forward” language would make the claims more definite and render the claims allowable over the cited references.

Applicant believes that the pending claims, prior to the current amendments, are patentable over the cited references for the reasons given earlier. However, to expedite the processing of the present application, independent claims 47, 81, 86 and 91 have each been amended to recite “reducing second order non-linear distortion in a receiver using a feed-forward technique.” Support for this amendment is given in paragraph [0032], Fig. 2, and other parts of the present application.

Applicant respectfully submits that claims 47-97 are now in condition for allowance. Accordingly, the §103(a) rejection of claims 47-97 should be withdrawn.

**New Claim 98**

Claim 98 recites features similar to those of claim 47 and should also be allowed.

**CONCLUSION**

In light of the above, Applicant submits that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: 4/11/07

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